

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/11541

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F265/04 C08F265/06 C08F285/00 C08L51/00 C08L55/02
C08L33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F C08L C09D C09J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/37531 A (ICI PLC ;FRASER IAN MUIR (GB); TREADGOLD JONATHAN MARK (GB)) 28 November 1996 (1996-11-28) * Zusammenfassung ; Seite 5, Zeile 14-18 ; Seite 6, Zeile 26 ; Seite 3, Zeile 10 - Seite 8, Zeile 12 ; Ansprüche 1,2,7,8 ; Beispiele ; Seite 7, Zeile 9-17 ; Seite 12, Zeile 6-8 * page 9, lines 27-29; claims 9,10	1-12, 15-17
X	EP 0 542 036 A (BASF AG) 19 May 1993 (1993-05-19)	1-12, 14-17
Y	* Seite 3, Zeile 35-57,3-30 ; Seite 4, Zeile 34-42 ; Seite 5, Zeile 7, 42-43 ; Seite 6, Zeile 12-13 ; Ansprüche 1-4 ; Zusammenfassung ; Seite 7, Zeile 28-33 * page 4, lines 30,31	13
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

10 January 2005

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 513 118 A (ARNDT PETER J ET AL) 23 April 1985 (1985-04-23)	1-12, 14-17
Y	* Zusammenfassung ; Ansprüche 1-4 ; Spalte 3, Zeile 35-52 ; Spalte 4, Zeile 25 "styrene" ; Spalte 4, Zeile 17-24 ; Beispiele ; Spalte 6, Zeile 7-43 * column 2, line 49 - column 6, line 43	13
Y	US 5 393 836 A (NIESSNER NORBERT ET AL) 28 February 1995 (1995-02-28) abstract claims 1-4 column 4, line 10 column 3, lines 43-54	13
Y	EP 0 576 960 A (BASF AG) 5 January 1994 (1994-01-05) claims 1,2 page 2, lines 54,55 page 9, line 41	13
Y	US 4 543 383 A (SCHELLHAAS WALTER ET AL) 24 September 1985 (1985-09-24) * Spalte 2, Zeile 64-68 ; Spalte 3, Zeile 16-31 * column 3, lines 16-31; claim 1	1-12, 14-17
Y	US 3 793 402 A (OWENS F) 19 February 1974 (1974-02-19) * Beispiel 8 ; Ansprüche 1,4,5,9,19 ; Spalte 5, Zeile 10-12 * column 7, lines 18-25; claims 1-23	1-12, 14-17
A	US 5 475 055 A (DECKERS ANDREAS ET AL) 12 December 1995 (1995-12-12) abstract claim 1	1-17
A	US 4 521 568 A (HIRANO HIROYUKI ET AL) 4 June 1985 (1985-06-04) * Ansprüche 1-11 ; Spalte 3, Zeile 39-42 ; Spalte 2, Zeile 63 "styrene" ; Beispiele * column 2, line 40 - column 6, line 8	1-17
A	US 5 726 245 A (NUMRICH UWE ET AL) 10 March 1998 (1998-03-10) * Anspruch 1 * column 4, lines 18-47; example 1	1-17
A	US 5 286 801 A (BESECKE SIEGMUND ET AL) 15 February 1994 (1994-02-15) * Zusammenfassung * column 2, line 20 - column 4, line 21	1-17
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International Application No

PCT/EP 03/11541

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 270 397 A (RHEIN THOMAS ET AL) 14 December 1993 (1993-12-14) * Anspruch 1 ; Spalte 4, Zeile 54, 52-60 ; Spalte 4, Zeile 46 * column 4, line 61 - column 5, line 17 -----	1-17
A	US 6 228 938 B1 (OTT KARL-HEINZ ET AL) 8 May 2001 (2001-05-08) claims 1-20 -----	13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11541

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9637531	A	28-11-1996	EP 0745622 A1 AT 191491 T CA 2220411 A1 CN 1185165 A , C DE 69607613 D1 DE 69607613 T2 DK 828772 T3 WO 9637531 A1 EP 0828772 A1 ES 2145453 T3 JP 11505871 T PT 828772 T TW 442502 B US 6172135 B1	04-12-1996 15-04-2000 28-11-1996 17-06-1998 11-05-2000 17-08-2000 14-08-2000 28-11-1996 18-03-1998 01-07-2000 25-05-1999 31-07-2000 23-06-2001 09-01-2001
EP 0542036	A	19-05-1993	DE 4136993 A1 EP 0542036 A1	13-05-1993 19-05-1993
US 4513118	A	23-04-1985	DE 3300526 A1 DE 3374202 D1 EP 0113924 A2 JP 1902283 C JP 6029304 B JP 59136313 A	12-07-1984 03-12-1987 25-07-1984 08-02-1995 20-04-1994 04-08-1984
US 5393836	A	28-02-1995	DE 4241555 A1 DE 59308163 D1 EP 0601473 A1	16-06-1994 26-03-1998 15-06-1994
EP 0576960	A	05-01-1994	DE 4221293 A1 DE 59307530 D1 EP 0576960 A2 ES 2107587 T3 JP 6057154 A US 5475053 A	05-01-1994 20-11-1997 05-01-1994 01-12-1997 01-03-1994 12-12-1995
US 4543383	A	24-09-1985	DE 2951045 A1 CA 1173589 A1 EP 0030999 A2 JP 1004525 B JP 1523195 C JP 56100814 A	09-07-1981 28-08-1984 01-07-1981 26-01-1989 12-10-1989 13-08-1981
US 3793402	A	19-02-1974	AR 194849 A1 AT 331508 B AT 940672 A AU 476645 B2 AU 4848072 A BE 790157 A4 CA 973648 A1 CH 562285 A5 DE 2253689 A1 FR 2159882 A6 GB 1414187 A IL 40734 A IT 1045246 B JP 57044641 A JP 1199485 C	24-08-1973 25-08-1976 15-11-1975 30-09-1976 02-05-1974 16-04-1973 26-08-1975 30-05-1975 10-05-1973 22-06-1973 19-11-1975 31-05-1976 10-05-1980 13-03-1982 05-04-1984

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11541

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3793402	A		JP 48055233 A	03-08-1973
			JP 55027576 B	22-07-1980
			NL 7214935 A , B,	08-05-1973
			NO 142223 B	08-04-1980
			SE 391942 B	07-03-1977
			ZA 7207741 A	19-12-1973
US 5475055	A	12-12-1995	DE 4226750 A1	17-02-1994
			DE 59304263 D1	28-11-1996
			EP 0582951 A2	16-02-1994
			ES 2093336 T3	16-12-1996
US 4521568	A	04-06-1985	JP 1291475 C	29-11-1985
			JP 57200412 A	08-12-1982
			JP 60017406 B	02-05-1985
US 5726245	A	10-03-1998	DE 19544563 A1	05-06-1997
			AT 203253 T	15-08-2001
			DE 59607309 D1	23-08-2001
			DK 776931 T3	24-09-2001
			EP 0776931 A1	04-06-1997
			ES 2160199 T3	01-11-2001
			JP 9176432 A	08-07-1997
			TW 455611 B	21-09-2001
US 5286801	A	15-02-1994	DE 4114641 A1	05-11-1992
			DE 59202659 D1	03-08-1995
			EP 0512333 A1	11-11-1992
US 5270397	A	14-12-1993	DE 4121652 A1	07-01-1993
			AT 149036 T	15-03-1997
			DE 59208045 D1	27-03-1997
			EP 0522351 A1	13-01-1993
			ES 2099769 T3	01-06-1997
			JP 6093056 A	05-04-1994
US 6228938	B1	08-05-2001	DE 4214939 A1	11-11-1993
			DE 4214940 A1	11-11-1993
			DE 4214942 A1	11-11-1993
			DE 59301433 D1	29-02-1996
			EP 0568875 A2	10-11-1993
			ES 2083220 T3	01-04-1996
			JP 3456661 B2	14-10-2003
			JP 6087995 A	29-03-1994